

USSR / Cultivated Plants. Technical, Oleaceous, Sugar Bearing  
Plants.

M-6

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58661

Author : Teodorovich, L. M.; Pal'min, B. A.; Babushkin, L. N.

Inst : UZ SSR Acad. Sci.

Title : Division Into Regions of the Cotton Cultivation Zone  
of Uzbekistan

Orig Pub : Izv. AN UZ SSR, 1956, No 12, 3-13

Abstract : The characteristics of individual regions in the zone  
of irrigated cotton cultivation are given in this paper.  
They are based on indexes pertaining to the length of  
the vegetation period and the sum of effective tempera-  
tures. They are also in accordance with data on the  
composition of the soil in Uzbekistan and its degree of  
salinity. Indications as to the relative importance of  
individual types of soil and areas occupied by each

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238910013-3"

USSR / Cultivated Plants. Technical, Oleaceous, Sugar Bearing  
Plants.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58661

region, and variations in economic conditions among  
the individual sections of the zone of irrigated cotton  
cultivation are also given in this paper. The zone of  
production specialization in the area set aside for  
irrigated cotton cultivation is divided into three  
subzones on the basis of the above indexes: (North  
western, central and southern) and six districts  
(Lower-Amu-Dar'ya, Zeravshan, Tashkent, Fergan, Kashka-  
Dar'ya, Surkhan-Dar'ya). The districts are in turn  
divided into subdistricts and administrative rayons.  
A brief description of sub-zones and rayons from the  
point of view of their climatic characteristics, soil  
conditions, agricultural engineering, type of planted  
varieties, and similar economic conditions, is given.  
In conclusion, the conditions, under which agromeliorative

Card 2/3

STETSENKO, M.A.; PAL'MIN, B.A., kand.ekonom.nauk, otv.red.; ITSEKOVSKIY,  
M.B., red.izd-va; GOR'KOVAYA, Z.P., tekhn.red.

[Combining farming branches on cotton-growing collective farms]  
Sochetanie otraspeli v khlopkoseiushchikh kolkhozakh. Tashkent,  
Izd-vo Akad.nauk Uzb.SSR, 1959. 156 p. (MIRA 12:7)  
(Uzbekistan--Cotton growing)

KABANOVA, K.A.; PAL'MIN, B.A., kand. ekon. nauk, otv. red.;  
DESYATNIK, F., red.; GOR'KOVAYA, Z.P., tekhn. red.

[Problems in the organization of suburban farming in  
Uzbekistan as exemplified by the Tashkent suburban zone]  
Voprosy organizatsii prigorodnogo sel'skogo khoziaistva v  
Uzbekistane; na primere Tashkentskoi prigorodnoi zony.  
Tashkent, Izd-vo Akad.nauk UzSSR, 1963. 126 p.

(MIRA 16:4)

(Tashkent region--Vegetable gardening)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001238910013-3

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001238910013-3"

PAL'MIN, V., kand. khim. nauk; TETERNIK, D., prof.; AVSHYUKEVICH, V.;  
ZEL'MANOV, I.

Effect of the adrenalin treatment of animals on the course of  
some biochemical processes. Mias. ind. SSSR 34 no.4:53-54 '63.  
(MIKA 16:10)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy  
promyshlennosti (for all except Zel'manov). 2. Moskovskiy  
ordena Lenina myasnoy kombinat (for Zel'manov).

CH PAL'MIN, V. V.

12

Comparison of the value of mutton cuts. V. Pal'min,  
A. Borikina, and M. Shakharova. *Mezhdunarodnye Issledovaniya po Sverkhvysokim Radiatsionnym Protsessam v SSSR* 21, 75-80 (1959). The percentage yield of various  
cuts of mutton and their composition are tabulated and discussed.  
M. M. Pekham

KRYLOVA, N.; PAL'MIN, V.

Meat Extract

Nutritive value of bouillon cubes. "Vias. ind. 23 no. 4, 195".

Monthly List of Russian Accessions, Library of Congress December 1952 UNCLASSIFIED.

PAL'MIN, V. SOLOV'YEV, V. SHIROKOV, N.

MEAT

"Practical handbook on biochemistry of meat." by Prof. N. S. Dorzhev. Reviewed by V. Pal'min, V. Solov'yev, N. Shirokov. Mias. ind. SSSR 23 no. 3 (1952)

9. Monthly List of Russian Accessions, Library of Congress, September 1956, Uncl. 2

PAL'MIN, V.

Sausa et

Possibility of preparing legislation on a collector action. Miss. Inst., 20, 1967.

Monthly List of Russian Acquisitions, Library of Congress  
December 1967. WILLARD, D.

Pal'min

U.U.

A method for the determination of the sensitive value of total protein nitrogen for the determination of basal N, V, VII and VIII is described. The method is based on the use of a colorimetric reagent, which is a mixture of 10% NaOH and 10% H<sub>2</sub>O<sub>2</sub>. A standard curve is plotted for the ratio of total N to extractable N. The ratio of total N to extractable N is determined by the presence of the total nitrogen value (I) or residual nitrogen value (II). Methods are described for the determination of total nitrogen (I) and residual nitrogen (II) in samples of meat N (III), animal protein N (IV), animal protein N (V), collagen N (VI), elastic N (VII) and extractable substances. Thoroughly ground meat is dried twice by  $\text{KCl}$  solution (1.5M, pH 5.5). Aliquots of the meat are then taken for the determination of total N and the extractable substances (after a weak acidification with  $\text{H}_3\text{PO}_4$ , boiling, filtering, and the determination of N in the filtrate). The difference between these 2 determinations gives IV. The residue from the first extraction is treated several times (up to 4) at room temperature with 0.5% NaOH solution. The combined alkali-soluble substances and from the liquid medium is then extracted under the conditions of 1.5M  $\text{NaCl}$  solution, and the total protein nitrogen content is determined quantitatively in a ratio to the content of VI. For the determination of VII another sample (approx. 10 g.) is taken; the sample is first treated with 0.5%  $\text{NaCl}$  solution, then with 0.5% NaOH solution (for 30 min. at room temperature) and finally by treatment with 0.1%  $\text{NaCl}$  solution. In the resulting (insoluble with water) residue, in this way, is dried. VII, III, IV, and V are considered as I; VI and VII as II. The methods for the determination of total nitrogen and for the determination of the residual nitrogen are different but equal by using this technique. The results are shown in tables and figures. New guidelines are given for the ratio of extractable nitrogen based on the ratios of I to II and V to VI and relative values of different samples. Based on the sensitive values of different types of meat the entire curvilinear can be divided in 4 different meat groups.

R. Wierzbicki

PAL'MIN, V. V.

"Study of the Physical and Technological Properties of Cold Meat in Connection With Use in Sausage Making." Subm'd Oct 51, "Moscow Chemico-technological Inst of the Meat Industry.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 430, 9 May 55

PAL'MIN V. V., kandidat khimicheskikh nauk.

Physical and chemical changes in meat during storage. Trudy VNIIMP  
no.7:3-14 '55. (MLRA 9:8)  
(Meat)

PAL'MIN, V.V., kandidat khimicheskikh nauk.

Effect of pH on the moisture-holding capacity of meat stuffing.  
Trudy VNIIMP no.7:15-22 '55. (MLRA 9:8)  
(Meat)

PAL'MIN, ✓ [V]

Changes of physicochemical characteristics of meat by salting. V. Pal'min. Myasnaya Ind. S.S.R. M, No. 5, 51-2 (1950). Chilled high-grade beef was treated with 3% NaCl and the salted meat was aged for 1 month. Original pH of the meat was 5.8. The pH was increased by the salt addn. (0.00—0.05) without any addn. change caused by the aging; lactic acid remained nearly unchanged (483—580 mg % by both salting and aging); the addn. of salt did not change the water retention of the meat. However, A was slightly decreased by the aging; the no. of base eq. vols. (B) of the meat increased nearly twice by the salt addn. It followed that the meat, with the aging (A and B were noted by the biuretometric method, C. A 28, 2424), the meat shrinkage at 70° was greatly decreased by the salt addn. and the aging. No explanation for the changes of A and B indexes is given. Salt and aging both increase the water retention by the muscle proteins.

E. Wiericki

USSR/Chemical Technology - Chemical Products and Their Application. Food Industry,  
I-28

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63700

Author: Pal'min, V. V., Botkina, A. G., Shakhnazarova, M. N.

Institution: None

Title: Study of Chemical Composition of Mutton

Original  
Periodical: Tr. Vses. n.-i. in-ta myas. prom-sti, 1953, No 5, 51-63

Abstract: Study of the chemical composition, taking into account the morphological structure, of cuts of carcasses of rams of different degree of fattening slaughtered at the age of 1-1.5 year. It was found that with increasing extent of fattening, from below-medium to medium, the amount of fat increases by 2 times, from below-medium to above-medium by 3 times. With greater extent of fattening the total nitrogen content decreases. The greatest amount of total nitrogen is found in the soft tissues of hind shank and foreshank; of extractables in loin, leg and rib cuts. Content of full-value proteins

Card 1/2

PAL'MIN, V.V.; ISHUKOV, V.P.

Effect of high-frequency currents on autolytic processes in  
muscular tissue. Izv. vys. ucheb. zav.; pishch. tekhn. no.3:  
21-25 '58. (MIRA 11:9)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy  
promyshlennosti.  
(Autolysis) (Meat) (Induction heating)

PAL'MIN, V.V.; ZHURAVSKAYA, N.K.; ALEKHINA, L.T.

Meat sterilization with gamma rays in the presence of the sodium salt of ascorbic acid and a nitrite. Izv.vys.ucheb. zav.; pishch.tekh. no.4:92-97 '59. (MIR 13:2)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti. Kafedra biohimii.  
(Gamma rays--Physiological effect)  
(Meat--Preservation)

PAL'MIN, V.V.; ZHURAVSEYK, N.K.; ALEKHINA, L.T.

Biochemical changes in pork during its sterilization by gamma rays. Izv.vys.ucheb.zav.; vishch.tech. nauchn. i zashch. (1961:1)

1. Monkovskiy tehnologicheskiy institut myanu. i ch. po promyshlennosti. Kafedra biokhimii myanu. kafedra radiatsionnoj myanu.  
(Pork) (Radiation sterilization)

ALEKHINA, L.; ZHURAVSKAYA, N.; PAL'MIN, V.

Effect of radiation sterilization on certain properties of beef.  
Mias. iind. SSSR 30 no.5:54-55 '59. (MIRA 13:1)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promysh-  
lennosti.  
(Beef--Preservation) (Radiation sterilization)

PAL'MIN, V.V.; ALEXHINA, L.T.

Study of the conditions under which meat is subjected to radiation from Co<sup>60</sup> with the purpose of improving its organoleptic properties. Izv.vys.ucheb.zav.; pishch.tekh. no.4:75-77 '60. (MIRA 13:11)

l. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti. Kafedra biokhimii.  
(Beef) (Gamma rays)

PALVIN, V. V. (USSR)

"Change in Thiol Compounds of Actomyosin Muscle Tissue during  
γ-Irradiation with Co<sup>60</sup>.

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 Aug 1951

PAL'MIN, V.V.; ALEKHINA, L.T.

Study of the properties of myosin of muscle tissues irradiated  
in vitro by  $\text{Co}^{60}$ . Radiobiologija 1 no.2:206-211 '61. (MIRA 14:7)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy  
promyshlennosti.  
(GAMMA RAYS--PHYSIOLOGICAL EFFECT) (MYOSIN)

PAL'MIN, V.V.

Biochemical changes in meat subjected to ionizing radiation.  
Izv.vys.ucheb.zav.; pishch.tekh. 2:76-81 '62. (MIRA 15:5)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy  
promyshlennosti, kafedra biokhimii.  
(Meat) (Radiation sterilization)

PAVLOVSKIY, Petr Yevgen'yevich, dots.; PAL'MIN, Viktor Vasil'yevich,  
dots.; DEMIN, N.N., doktor biol. nauk, prof., retsenzent;  
FEL'DMAN, A.L., kand. tekhn. nauk, dots., retsenzent;  
KUZIN, A.M., red.; KOSSOVA, O.N., red.; SATAROVA, A.M.,  
tekhn. red.

[Biochemistry of meat and meat products] Biokhimiia miasa  
i miasoproduktov. Moskva, Pishchepromizdat, 1963. 324 p.  
(MIRA 16:4)

1. Chlen-korrespondent Akademii nauk SSSR (for Kuzin).  
(MEAT) (BIOCHEMISTRY)

PAL'MIN, V.V.; TETERNIK, D.M.; AVSYUKEVICH, V.S.; ASLANOV, V.G.; GOL'DMAN,  
Ye.I.; ZEL'MANOV, I.S.; STEFANOV, A.V.; KHOLODNOVA, O.S.

Studying the possibility of applying preslaughter adrenal treatment  
in the meat industry. Izv.vys.ucheb.zav.; pishch.tekh. no.1:66-71  
'63. (MIRA 16:3)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy  
promyshlennosti i Moskovskiy myasokombinat.  
(Adrenalin) (Slaughtering and slaughterhouses)

PAL'MIN, V.V.

Effect of ionizing irradiation on the changes in meat taste and flavor. Izv.vys.ucheb.zav.; pishch. tekhn. no.3:36-37 '63.  
(MIRA 16:8)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti, kafedra biokhimii.  
(Meat) (Radiation sterilization)

PAL'MIN, V.V.; BREGER, A.Kh.

Changes occurring in the glutathione and proteins of the sarcoplasm  
in meat irradiation by gamma rays. Izv.vys.ucheb.zav.; pishch.  
tekhn. no.3:41-45 '63. (MIRA 16:8)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy  
promyshlennosti i Nauchno-issledovatel'skiy fiziko-khimicheskiy  
institut imeni Karpova.  
(Meat) (Radiation sterilization)

PAL'MIN, V.V.

Changes in the oxidation-reduction properties of meat  
irradiated by Co<sup>60</sup>. Izv. vys. ucheb. zav.; pishch. tekhn.  
no.6:20-25 '63. (MIRA 17:3)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy  
promyshlennosti, kafedra biokhimii.

FRIDRIKHSEN, V.K.; PAL'MINA, K.B.; TRET'YAKOV, A.V.

Changes in the mechanical properties of metals during cold  
rolling. Prokat. proizv. no.2:14-20 '60. (MIRA 14:11)  
(Metals--Cold working)  
(Rolling(Metalwork))

APANOVICH, Ivan Yevstaf'yevich, inzh.; SHKLYAR, Dmitriy Semenovich,  
inzh.; BOGUTSKIY, A., red.; PAL'MINA, N., tekhn. red.

[Driver's manual] Spravochnik shofera. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo, 1962. 139 p. (MIRA 15:11)  
(Motor vehicles)  
(Automobile drivers—Training and education)

L 2674-66 ENT(m)

ACCESSION NR: AP5021291

UR/0020/65/163/005/1278/1281

AUTHOR: Burlakova, Ye. B.; Dzyuba, N. M.; Pal'mina, N. P.; Emanuel',  
N. M. (Corresponding member AN SSSR)TITLE: Antioxidant activity of mouse liver lipids in radiation  
sickness and leukosis and the effect of free radical reaction  
inhibitors

SOURCE: AN SSSR. Doklady, v. 163, no. 5, 1965, 1278-1281

TOPIC TAGS: experiment animal, radiation sickness, radioprotective  
agent, liver, chemotherapy, oxidation inhibition, neoplasm

ABSTRACT: Based on the assumption that synthetic inhibitors might be effective in processes accompanied by changes in natural antioxidant activity, the antioxidant activity changes of liver lipids were studied after single or repeated administration of free radical reaction inhibitors to intact animals. Mice were injected intraperitoneally with the inhibitors dissolved in water or a 10% Tween-80 solution. The natural antioxidants were extracted from the lipid fraction of the animal livers and dissolved in methyloleate, which

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ACCESSION NR: AP5021291

was then oxidized in an air current at 36 C in an oxidizing chamber. The kinetics of antioxidant activity changes of lipid extracts following single introduction of 4-methyl-2,6-di-tert-butylphenol is graphed. It was observed that a single administration increased the antioxidant activity while repeated administrations depressed this activity for some time depending on dose. It may be thus assumed that synthetic inhibitors resemble natural ones. Repeating this experiment with mice which had received a lethal radiation dose and whose antioxidant activity had declined to zero, it was found that with a 30 mg/kg dose of the above compound the activity level was maintained and 20-25% of the mice survived, while a 100 mg/kg dose had no such effect. Since cancer cells are known to differ from normal cells by the amount of antioxidants, tests were conducted in mice with leukosis who received the inhibitor 4-oxy-3,5-di-tert-butyl-alpha-methylbenzamine, which depressed and lengthened the initial activity of liver lipids. In animals irradiated prior to leukosis, the activity developed at a slower pace the higher the dose, resulting in increased survival times of up to 2 days. Similar results were obtained for animals whose antioxidant activity was depressed by administering large amounts of the inhibitor. It may thus be

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ACCESSION NR: AP5021291

concluded that small inhibitor amounts which cannot decrease the antioxidant activity of liver lipids in the intact animal display a radioprotective effect and favor the development of transplanted cancer, while large amounts which can decrease this activity will aggravate radiation sickness but slow down leukosis development.  
Orig. art. has: 3 figures.

ASSOCIATION: None.

SUBMITTED: 02Apr65

ENCL: 00

SUB CODE: LS

NR REF Sov: 009

OTHER: 002

Card 3/3

BURIN, A. Ye.B.; DZYUBA, N.M.; PAL'MINA, N.P.

Synthetic inhibitors and natural antioxidants. Report No.1. Effect  
of the inhibitors of free radical reactions on the antioxidative  
activity of rat liver lipids. Biofizika 10 no.5:766-769 '65.  
(MIRA 18:10)

1. Institut khimicheskoy fiziki AN SSSR, Moskva.

PALMIRSKA, J.

"Fourth International Fashion Festival." p. 237. (OKLIMEK, Vol. 5, No. 12, Dec. 1954.  
Lodz, Poland)

SO: Monthly List of East European Acquisitions. (EEAL). LC. Vol. 4, No. 4,  
April 1955. Uncl.

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CIA-RDP86-00513R001238910013-3

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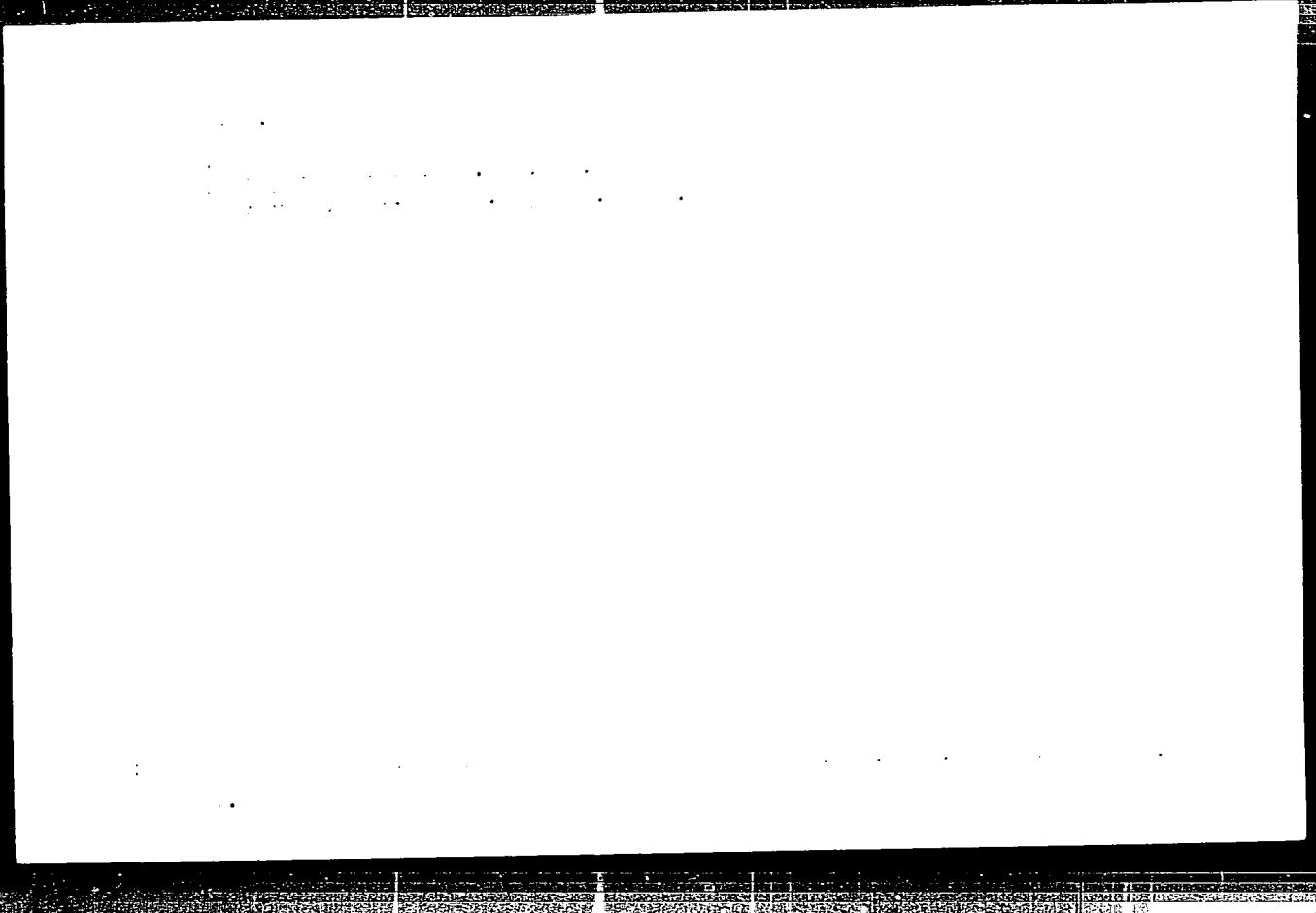
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DA  
*for studies*

.....  
Orchard tests for apple scab control in New York state  
1. Sulfur fungicides J. M. Hamilton and D. H. Palmer  
(Geneva, N.Y.) New York (Geneva) Agr. Expt. Sta.  
Bull. No. 747, 6 (1951). Eight fungicide applications  
timed to protect the new growth during infection periods  
proved sufficient for the control of scab in orchards having  
an abundant primary inoculum. Magnetic 70 and the  
floatation S pastes at rates of about 4 lb. of actual S per  
100 gals were as effective as lime-Si over a period of 7 con-  
tinuous years. Stauffer's Magnetic 70 paste was the  
most retentive of the wettable S. Micronized S was the  
only one of the dry wettable sulfurs tested which gave a con-  
sistent performance approaching the effectiveness of the  
paste types. The fungicidal effectiveness of ground wet-  
table sulfur was inversely proportional to the size of the  
particles. Oil-type stickers improved the effectiveness of  
wettable sulfurs under some conditions. Consol and Perm-

PAL'MOV, ALEKSAANDR FEDOVICH

Mar/Apr 50

USSR/Medicine - Obstetrics Obituaries

"Obituary of A. F. Pal'mov," Prof L. S. Siblichevko, L. P.

"Akusher i Ginekol" No 2

Briefly mentions highlights of career of Prof Aleksandr Fedovich Pal'mov, Inst of Obstetrics and Gynecology, Acad Med Sci USSR, who died 12 Aug 49 at age of 77, from his graduation from Medical Faculty of Truskavets in 1901, through his work as member of Sci Orgn and Methods Div of aforementioned institute. He was awarded prizes for his doctor's dissertation (1911) on obstetric forces, and his monograph (1921) on the narrow pelvis. Includes photograph.

PA 161T74

PAL'MOV, D.N.

Problem of paramount importance. Transp. stroi. 13 no. 7:40-41  
(MIRA 16:9)  
Jl '63.

1. Starshiy inzh. tekhnicheskogo otdela tresta Novorossiysk-  
morstroy.  
(Industrial accidents)

PAL'MOV, E.A. prof., doktor tekhn. nauk; PETROV, I., kand. tekhn. nauk

Students' section of the Scientific Technical Society. NTO  
no.5:35 My '59. (MIRA 12:8)

1.Predsedatel' Sverdlovskogo mezhoblastnogo pravleniya nauchno-  
tekhnicheskogo obshchestva mashinostroitel'noy promyshlennosti, g.  
Sverdlovsk (for Pal'mov). 2.Predsedatel' byuro studencheskoy sektsii  
Sverdlovskogo nauchno-tekhnicheskogo obshchestva mashinostroitel'noy  
promyshlennosti Ural'skogo politekhnicheskogo instituta im. S.M.  
Kirova g.Sverdlovsk (for Petrov).

(Sverdlovsk—Research, Industrial)

KAMARDINKIN, N.P.; SHUVAYEV, A.I.; PALKIN, V.I.; NEVYNA, A.V.; TALIBAN'KO,  
P.I.; KHLIMENKOV, N.V.; CHIKH, L.L.; LOBANOV, G.S.; FLEKHA, L.I.;  
MAKLAMOV, N.V.; RASPYANOV, I.I.; SADOMOV, I.I.; SVAROV, I.M.;  
DUBOVIN, P.Ye.; LIKHACHEVA, A.A.; SVAROV, I.I.

Conference of the Teaching Staff and Students of the Moscow  
Geological Prospecting Institute. Izv. vys.ucheb.zav.; geol. i  
razv. 6 no.12:143-148 D 163. (MFA 18:2)

...dpa, etc., But I don't think they can do it.

Re: GAO's ability to conduct a full-scale investigation  
regarding this function by the FBI, and the FBI's ability to  
devote, say, 20 percent of its resources to this function.

1. Masking: I would recommend that the FBI do this.

PAL'MOV, V.A. (Gor'kiy).

Remote results of plastic surgery of skin defects on the soles. Khirurgia no.6:80-81 Je '53.

(MILRA 5:8)

(Surgery, Plastic) (Foot--Surgery)

SOV/124-59-1-230

Translation from: Referativnyy zhurnal. Mekhanika, 1959, Nr 1, p 29 (USSR)

AUTHOR: Pal'mov, V.A.

TITLE: Vibrations of Rectilinear Tubes Filled With a Moving Liquid

PERIODICAL: Nauchno-tekhn. inform. byul. Leningr. politekhn. in-t, 1957, Nr 12,  
pp 103-107

ABSTRACT: By means of the Laplace-transformation the problem of the vibrations of  
a rectilinear tube, wherein an evenly distributed liquid flows, is solved.  
The solution of the problem is reduced to the integration of a differ-  
ential equation of the fourth order with constant coefficients. Four  
linear independent solutions of the fundamental equation are obtained, and  
an example is solved for the case that a concentrated invariable moment is  
suddenly applied to the tube. The formulae for the displacements and the  
frequency-equations are obtained, but the roots of the latter are not given.

G.S. Migirenko

✓

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PAL'MOV, V.A.; PERVOZVANSKIY, A.A.

Computing characteristics of the matrix methods used for calculating vibrations. Trudy LPI no.210:199-212 '60. (MIRA 13:11)  
(Vibration) (Matrix mechanics)

PAL'MOV, V.A. (Leningrad)

Contact problem of a plate resting on an elastic layer. Prikl.  
mat. i mekh. 24 no.3:416-422 My-Je'60. (MIR 13:10)  
(Elasticity)

PAL'MOV, V.A. (Leningrad)

A thin plate under random load. Prikl. mat. i mekh. 26 no. 3:  
572-576 My-Je '62. (MIRA 16:5)

(Elastic plates and shells)  
(Deformations (Mechanics))

PAL'MOV, V.A. (Leningrad)

Relationship between stress concentration and the quality of the  
machining of surfaces of parts. Izv.AN SSSR.Mekh. i mashinostr.  
no.5:60-66 S-0 '63. (MIRA 16:12)

ACCESSION NR: AP4015984

5/0040/63/027/005/0963/0969

AUTHOR: Pal'mov, V. A. (Leningrad)

TITLE: Stressed state near the rough surface of elastic bodies

SOURCE: Prikl. matem. i mekhan., v. 27, no. 5, 1963, 963-969

TOPIC TAGS: stressed state, rough surface, elastic body, isotropic material, spectral representation, normal distribution law, successive approximation

ABSTRACT: Roughness of the surface of a machine part changes the stressed state near the surface in comparison to an ideal smooth surface. The author studies the problem of the magnitude of these changes. He considers a rough surface as a realization of a homogeneous statistically anisotropic random field with normal distribution law and assumes the material of the elastic body to be isotropic. Using a spectral representation, the author is able to determine the first and second order statistical characteristics of the intensity of tangent stresses. Orig. art. has: 5 figures and 59 formulas.

ASSOCIATION: none

Card 1/2

L-10634-62

EMP(r)/EMT(m)/BDS--AFFTC

ACCESSION NR: AP3003458

S/0179/63/000/003/0104/0108

50

AUTHOR: Pal'mov, V. A. (Leningrad)

TITLE: Stress concentration close to the rough surface of an elastic solid  
n/a

SOURCE: AN SSSR. Izv. Otdel. tehn. nauk. Mekhanika i mashinostroyeniye, no. 3,  
1963, 104-108

TOPIC TAGS: stress, stress concentration, random-shape stress concentrator, sur-  
face roughness, stress-concentration factor

ABSTRACT: This work was carried out because of the lack of studies in the  
field of elasticity theory concerning stress concentration in elastic solids in  
the neighborhood of random-shape stress concentrators. The concentration of  
stresses caused by the surface roughness of machine parts is discussed. Theo-  
retical formulas are derived for an elastic half plane with a boundary having a  
low roughness height-to-width ratio. The plane state of stress in the layer  
close to the boundary is investigated with the elasticity-theory equations in  
terms of stresses derived by P. F. Papkovich and boundary conditions in infinity  
(uniform stresses) and on the free boundary (no stresses) used as a starting point.

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The stress concentration in the vicinity of the boundary is fully characterized by stresses in the cross sections normal to the boundary-roughness profile and can be calculated for its given shape. A simple expression for the stress-concentration factor is derived by using a stationary random function with normal distribution to describe the profile of the boundary roughness. The values of this factor (from 1.48 to 1.20) for roughness heights and widths corresponding to surface-roughness classes 7 to 9 (by grinding) are given in a table. For rough-machined surfaces greater values can be expected. Orig. art. has: 1 figure, 1 table, and 41 formulas.

ASSOCIATION: none

SUBMITTED: 10 Jun 63

DATE ACQ: 24 Jul 63

ENCL: 00

SUB CODE: AP

NO REF Sov: 005

OTHER: 001

ch/b  
Card 2/2

L 18595-63

EWT(d)/EPF(n)-2/BDS P1-4/Po-4/Pq-4/Pu-4

AFFTC/ASD/APGC/LP(C)/SSD

Pg-4/Pk-4/  
S/0040/63/027/003/0459/0467

ACCESSION NR: AP3003240

WW/BC

AUTHOR: Pal'mov, V.A. (Leningrad)

82

TITLE: Noise stability of optimal systems

SOURCE: Prikladnaya matematika i mehanika, v. 27, no. 3, 1963, 459-467

TOPIC TAGS: optimal control, statistical variation, minimum time

ABSTRACT: The author investigates the effect of noise on the operation of an optimal high speed linear system under restrictions on the controls. Consider an object whose state is determined by the elements of the column matrix  $\xi(t)$  and whose law of motion is a system of linear differential equations  $\dot{\xi} = A\xi + Bu + Cf$ , where  $A$  is a square matrix and  $B$  and  $C$  are rectangular with elements not depending on time.  $u(t)$  and  $f(t)$  are column matrices of controls and exterior effects respectively. The author assumes that the region of controls is a convex, closed, bounded polyhedron situated in  $r$ -dimensional space with coordinates  $u^1, u^2, \dots, u^r$ , where  $u^i$  are elements of the matrix of controls. In the book by Pontryagin, Boltyanskiy, Gamkrelidze and Mishchenko (Matematicheskaya teoriya optimálnykh protsessov. Fizmatgiz, 1961), the authors solve, in particular, the problem of investigating the control  $u$  which transfers the representing point from the given position  $\xi_0$  to the origin of the phase space  $\xi$  in minimal time. It is shown

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ACCESSION NR: AP3003240

that this problem has a solution under some restrictions on  $F$  if  $A, B, C, F$  are precisely known. The author assumes that the properties of the object ( $A, B, C$ ) and the exterior forces  $F$  are random and that only their statistical characteristics are known in advance. In this case one can construct an optimal control for the object's expectation properties by assuming the exterior forces equal to their mathematical expectation. However, the realization of such a control for an object having random properties and subject to random exterior effects does not guarantee that the representing point will hit at the end of the transfer process precisely at the origin. This is complicated by the fact that random errors are possible with realization of the optimal control. This article deals with computation of the variation of the phase coordinates at the end of the transfer process and the minimization of this variation at the expense of correction of the control. Orig. art. has: 39 formulas and 5 figures.

ASSOCIATION: none

SUBMITTED: 01Dec62

DATE ACQ: 23Jul63

ENCL: 00

SUB CODE: MM

NO REP SOV: 004

OTHER: 000

Card 2/2

L 26692-65 ENP(1) EM  
ACCESSION NR: A15002365

S/2563/64/000/235/0035/0040

AUTHOR: Pal'mov, V. A.

TITLE: Elastic plane with a hole of random form

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy, no. 235, 1964. Dinamika i prochnost' mashin (Dynamics and strength of machines), 35-40

TOPIC TAGS: elastic plane, stressed state, boundary condition, vector radius, vector analysis, random function

ABSTRACT: This article investigates the stressed state around a hole of random form, particularly around a hole whose contour in polar coordinates is expressed by:

$$r = a + H(\theta), \quad (1)$$

where  $H(\theta)$  is a random function of  $\theta$ ;  $a$  is a constant. To facilitate construction of the solution, it is proposed that the contour of the hole be random, close to circular, so that  $H(\theta)$  and its derivatives be small as compared to the mean radius of the opening  $a$ . Since the hole was loaded by a uniform, normal pressure, the following boundary condi-

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ACCESSION NR: AT5002365

tions should be fulfilled on its contour:

$$\left. \begin{array}{l} a_r \cos(nr) + r_n \cos(n\theta) = -p \cos(nr); \\ r_n \cos(nr) + a_r \cos(n\theta) = -p \cos(n\theta), \end{array} \right\} \quad (2)$$

To find the expression for direction cosines, the equation of the contour is written in vector form

$$R = (1 \cos \theta + j \sin \theta) [a + H(\theta)] \quad (3)$$

The author then proceeds to obtain an expression for the vector normal to the contour of the hole. The expression for the base vector of the normal is then obtained by normalizing by unity. Hence, the direction cosines of the normal are found

$$\left. \begin{array}{l} \cos(nr) = -1; \\ \cos(n\theta) = \frac{H'(\theta)}{a}. \end{array} \right\} \quad (4)$$

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Substituting (4) in (2), the author obtains the boundary conditions

$$\left. \begin{aligned} -\sigma_r + \tau_{\theta\theta} \frac{H'(0)}{a} &= p_1 \\ -\tau_{\theta\theta} + \sigma_\theta \frac{H'(0)}{a} &= -\frac{p_1}{a} H'(0). \end{aligned} \right\} \quad (5)$$

which should be fulfilled when  $r = a + H(\theta)$ . However, to obtain the boundary condition for stresses when  $r = a$ , the stresses for  $r = a + H(\theta)$  are expressed as the values of the stresses and their derivatives when  $r = a$ .

$$\sigma_r \Big|_{r=a+H(\theta)} = \sigma_r \Big|_{r=a} + H(0) \frac{\partial \sigma_r}{\partial r} \Big|_{r=a} + \dots \quad (6)$$

Introducing (6) into (5), the boundary conditions for  $r = a$  are obtained. The author then proceeds to determine the degree of increase in the stress  $\sigma_\theta$  around a hole of random form as compared to its value for a circular hole. Let  $H(\theta)$  be a random function set by a canonical expansion. Then the boundary conditions for  $r = a$  are obtained. After obtaining the expression for the stresses, the author uses this formula to obtain the canonical

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ACCESSION NR: AT5002365

expansion of stresses in an elastic plane. By using standard methods, the statistical characteristics of the stresses are determined. The author then proceeds to find the mathematical expectation and dispersion of the stress  $\sigma_\theta$  in the contour of the hole. Finally, the possibility of estimating the degree of concentration of stresses around a hole of random form is determined. Orig. art. has: 2 figures and 32 formulas.

ASSOCIATION: Leningradskiy politekhnicheskiy institut imeni M. I. Kalinina  
(Leningrad polytechnic institute)

SUBMITTED: 00

ENCL: 00

SUB CODE:  
ME, MA

NO REF SOV: 004

OTHER: 002

4/4

Card

SALMON, Max; RUPP, Max.

Estimate of the number of aircraft lost to Soviet forces  
during April 1945, and the number of aircraft delivered to  
the AAC during April 1945.

... Estimated figures are approximate and subject to revision  
as additional information becomes available.

FAL'MOV, V.A. (Leningrad)

"The state of stress in a randomly inhomogeneous elastic body"

Report presented at the 2nd All-Union Congress on Theoretical and Applied  
Mechanics, Moscow 29 Jan- 5 Feb 64.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001238910013-3

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001238910013-3"

ACCESSION NR: AP4040570

S/0040/64/028/003/0401/0408

AUTHOR: Pal'mov, V. A. (Leningrad)

TITLE: Basic equations in the theory of nonsymmetric elasticity

SOURCE: Prikladnaya matematika i mekhanika, v. 28, no. 3, 1964, 401-408

TOPIC TAGS: elasticity theory, nonsymmetric elasticity, acoustic wave propagation, discrete structure, crystal, polycrystalline metal, vector field, solid medium

ABSTRACT: For explaining certain regularities in the propagation of short acoustical waves in crystals, polycrystalline metals, and high polymers, it is necessary to consider the discrete nature of the structure of the material, consisting of separate particles connected by complex forces of interaction. The author proposes an approach from the point of view of solid media for studying the behavior of a substance with a discrete structure. In order to eliminate the differences between classical solid media and a discrete system of particles, he provides the solid media with several properties which are apparently unusual. He isolates a certain volume  $V$  of the medium, which he bounds by a surface  $S$ . At each point of the surface  $S$ , the influence of the portion of the medium outside  $S$  on the part in  $S$  is produced by the vector of stresses  $\tau_n$  and the vector of pairs  
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ACCESSION NR: AP4040570

of stresses  $\mu_n$ . At each point of the volume, three-dimensional forces and three-dimensional moments with intensities K and c respectively are produced. The author finds conditions under which the volume of the medium is in equilibrium, and he derives the desired equations of equilibrium. The relation between the kinematic variables u and  $\Phi$  and the force variables T and  $\mu$  is found by using the principle of virtual perturbations. The author studies small deformations of an isotropic medium with mirror symmetry of the properties, and he finds the specific potential energy of the medium. A law of small elastic deformations equivalent to the usual Hook's law is obtained. The derived system of equations forms a complete system of equations of linear elasticity theory considering rotary interaction of particles. For certain particular values of the parameter  $\alpha$ , the author also obtains the classical equations of elasticity theory and the equations of the theory of pairs of stresses. He obtains equations with respect to perturbations  $\mu$  and rotations  $\Phi$  analogous to the Lame equations. He studies propagation of waves in an unbounded dynamically isotropic elastic medium and gets agreement with the classical results. His results contradict those of R. D. Mindlin and H. F. Tiersten (Effects of Couple-stresses in Linear Elasticity. Arch. Rat. Mech. Anal., 1962, v. 11, No. 5) who asserted that the phase velocity of a wave of deformation under any conditions must increase with growth of the frequency of the wave. Orig. art. has: 53 formulas.

Card 2/3

L 4039-66 ENT(d)/ENT(m)/EMP(w)/EMP(v)/EMP(k)/ETC(m)/EWA(h) EM/WW  
 UR/0040/65/029/004/0763/0770

ACCESSION NR: AP5021311

AUTHOR: Pal'mov, V. A. (Leningrad)

TITLE: Thin shells under the action of a wide-band random loading

SOURCE: Prikladnaya matematika i mehanika, v. 29, no. 4, 1965, 763-770

TOPIC TAGS: thin shell, <sup>24</sup>thin plate, shell theory, <sup>24</sup>shell vibration, <sup>24</sup>shell stability, elliptic integral

ABSTRACT: The conventional study of vibration of thin shells under wide-band random loading is difficult because of the necessity of considering a wide range of forms of vibration. Note is made of some approaches to the problem and to related problems discussed in other work. The current article describes the solution of the problem of a normal loading on a shell of arbitrary configuration. The loading considered is that of a space-time uniform random field. The vibration equations are given first in the form

$$D \left[ 1 + R \left( \frac{d}{dx} \right) \right] \Delta \Delta w - \left( k_1 \frac{\partial^2 w}{\partial x^2} + k_2 \frac{\partial^2 w}{\partial y^2} \right) + P \frac{\partial^2 w}{\partial t^2} = P(t, x, y),$$

$$m \left[ 1 + R \left( \frac{d}{dx} \right) \right] \left( k_1 \frac{\partial^2 w}{\partial x^2} + k_2 \frac{\partial^2 w}{\partial y^2} \right) + \Delta \Delta p = 0,$$

30

B

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ACCESSION NR: AP5021311

where  $w$  is the normal deflection of the shell,  $p$  is the normal load,  $\phi$  is the stress function for tangential forces,  $k_1$  and  $k_2$  are the major curvatures of the shell,  $D$  is the cylindrical stiffness,  $h$  is the thickness,  $E$  is Young's modulus, and  $\rho$  is the linear mass of the shell. The loading function is given in spectral form as

$$p = \iiint_{\Omega} \text{spectral density } (\omega, \lambda, \mu) d\omega d\lambda d\mu,$$

where  $V$  is the random function of the type of three-dimensional white noise of intensity  $S_p(\omega, \lambda, \mu)$ , a nonrandom function called the spectral loading density. From these two equations the author defines the spectral model of deflection and the deflection correlation function. The correlation function is abstracted into expressions for weaker probability characteristics of the problem, from whence a new set of spectral densities is defined. The computations of spectral density are separated into simple and easily quantifiable members. Certain steps are used in providing algorithms for approximating difficult expressions; for example, use is made of elliptic integration to obtain a solution of a term of the density equation, and the solution is plotted in parametric form. The general form is expanded to encompass terms including stress components, material properties, and

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ACCESSION NR: AP5021311

shell geometry. Solution for two cases of loading is demonstrated. The author acknowledges the work of V. V. Boletin (Ob uprugikh kolebaniyakh, vospashdayemykh sluchaynymi silami s shirokim spektrom. Izv. vyssh. uchebn. zaved., Mashinostroyeniye, 1963, No. 4) in determining stress diffusion in a plate.  
Orig. art. has: 66 equations.

ASSOCIATION: none

SUBMITTED: 30Mar65

ENCL: 00

SUB CODE: A5

NO REF Sov: 007

OTHER: 001

Conf 3/3 Op

1 28907-66 EWI(d)/EWI(m)/EWP(w) LIP(c) FM/MW/JXT(CZ)  
ACC NR: AT6019157

SOURCE CODE: UR/2563/65/000/252/0097/0106

AUTHOR: Pal'mov, V. A.

ORG: none

TITLE: Thin plates under the influence of a wide-band random load

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy, no. 252, 1965, 97-106

TOPIC TAGS: white noise, thin plate, material deformation, bending stress, elastic oscillation

ABSTRACT: A solution of the problem of the action of a load which is a space and time-homogeneous field. Detailed analysis is performed for the case when the disturbance is a random process fully correlated in space or is spatial white noise. If the load is fully correlated within the limits of the plate: 1) the intensity of oscillation of the plate is inversely proportional to the moving mass of the plate; 2) the bending moments in the middle of the plate are equal to zero; 3) the mean square stress does not depend on the deformation of the plate, and is directly proportional to the ratio of stiffness and the moving mass. If the load at various points is not correlated (load is spatial white noise): 1) the intensity of oscillation of the plate at the center depends on deformation, moving mass and stiffness; 2) the mean square bending stress is approximately four times that of the plate center; 3) the mean square bending stress in the piece is less, the greater the coefficient of energy diffusion in the plate. The authors state that the great difference in the conclusions for the two extreme states above indicate the necessity for study of intermediate conditions. Orig. art. has: 5 formulas. [JPRS]

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B+1

SUB CODE: 13, 20 / SUBM DATE: none / ORIG REF: 005 / OTH REF: 001  
Card 1/1 1c

MOISEYEV, Nikita Nikolayevich; RUMYANTSEV, Valentin Vasil'yevich;  
PAL'MOV, V.A., red.

[Dynamics of a body with cavities containing liquids.  
Dinamika tela s polostiami, soderzhashchimi zhidkosti. •  
Moskva, Nauka, 1965. 439 p. (MIA)]

PAL'MOV, YE

V

N/5

662.3

.P2

Snizheniye Vesa i Povysheniye Kachestva Mashin (Reducing the Weight and  
Raising the Quality of Machines) Sverdlovsk, Mashgiz, 1955.  
238 p. Illus., Diagrs., Tables.  
At Head of Title: Uralnitomash.  
Bibliographies Throughout.

PAL'NOV, Ye., doktor tehnicheskikh nauk.

Public bureaus of scientific researches are searching for hidden potentialities. Sovetskaya Rossiya, 1980, No. 10, p. 16. (MI A 14:2)

1. Predsedatel' o i sti o gryazevym Muzhino-tehnicheskoye obshchestva Mashprom, Sverdlovsk.  
(Ural Mountain industrial chemical research)  
(Ural Mountain industrial pottery industry)

IVANOV, K.V.; PERELYGIN, V.V.; MALIKHOV, V.P.; PAL'MOV, Ye.A. (Moskva)

Method for studying the role of physical effort in the irradiation  
of animals. Med. rad. 4 no.5:84-85 My '59. (MIRA 12:7)  
(ROENTGEN RAYS, eff.  
role of phys. effort in rats (Rus))  
(EXERCISE, eff.  
on response to x-irradiation in rats (Rus))

Pal'mov, Ye. V.

"Determination of the Force of Wire Drawing Taking Into Consideration the  
Viscoplastic Properties of the Deforming Metal", Sbornik Raschety i  
Konstruirovaniye Zavodskogo o Borudovaniya, Mashgiz, Moscow, 1950.

PAL'MOV, V.E. V.

LIVOVSKIY, P.G.; PAL'MOV, Ye.V., professor doktor, retsenzent; KRAZNOV, K.V., inzhener, retsensent; ZAKROCHINSKIY, S.V., inzhener, retsensent; SHKLOVSKIY, M.B., inzhener, retsensent; BOGACHEV, I.B., professor doktor tekhnicheskikh nauk, redaktor; AKHIEV, A.I., kandidat tekhnicheskikh nauk, redaktor; BARANOV, V.M., kandidat tekhnicheskikh nauk, redaktor; RYZHIKOV, A.A., kandidat tekhnicheskikh nauk, redaktor; FILIPPOV, A.S., kandidat tekhnicheskikh nauk, redaktor; CHERNOBROVKIN, V.P., kandidat tekhnicheskikh nauk, redaktor; YAKUTOVICH, M.V., kandidat tekhnicheskikh nauk, redaktor; GRISHCHENKO, M.F., inzhener, redaktor; ZASLAVSKIY, I.A., inzhener, redaktor; KROKHALEV, V.Z., inzhener, redaktor; SOEKHIN, M.D., inzhener, redaktor.

[Manual for the mechanic in a metallurgical plant] Spravochnoe rukovodstvo mekhanika metallurgicheskogo zavoda. Izd.3., ispr.i dep.  
Moskva, Gos. nauchno-tekh. izd-vo lit-ry po chernoi i tsvetnoi metalurgii, 1953. 1112 p. (MLRA 7:4)

(Mechanical engineering--Handbooks, manuals, etc.)

PAL'MOV, YE.V., professor, doktor tekhnicheskikh nauk.

Temperature of wires in the process of drawing. Trudy Ural.politekh.  
inst. no.45:78-96 '53. (MLRA 9:11)  
(Wire)

PALMOV, Ye.V., professor, doktor tekhnicheskikh nauk.

Temperature stresses in wires subjected to rapid drawing. Sbor.  
st.Ural.politekh.inst. no.48:100-111 '53. (MLRA 9:3)  
(Drawing (Metalwork)) (Wire)

PAL'MOV, Ye.V., doktor tekhnicheskikh nauk, redaktor; SOKOLOVSKIY, V.I.,  
~~kandidat~~ tekhnicheskikh nauk, redaktor; DUGINA, N.A., tekhnicheskiy redaktor

[Lowering the weight and improving the quality of machines; experience of Ural factories] Snizhenie vesa i povyshenie kachestva mashin; opyt ural'skikh zavodov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 238 p. (MLRA 8:6)

1. Vsesoyuznoye nauchnoye inzhenerno-tekhnicheskoye obshchestvo mashinostroiteley. Ural'skoye otdeleniye.  
(Ural Mountain region--Machinery industry)

PHASE I BOOK EXPLOITATION 882

Nauchno-tehnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Sverdlovskoye  
otdeleniye

Povysheniye kachestva i ekonomichnosti mashin (Increasing the Quality and Efficiency  
of Machinery) Moscow, Mashgiz, 1957. 626 p. 5,000 copies printed.

Additional Sponsoring Agency: Ural'skiy dom tekhniki.

Eds.: Pal'mov, Ye. V., Doctor of Technical Sciences, Sokolovskiy, V. I., Candidate  
of Technical Sciences; Reviewers: Bogachev, I. N., Doctor of Technical Sciences,  
Gorshkov, A. A., Doctor of Technical Sciences, Zhukov, P. A., Candidate of  
Economic Sciences; Tech. Ed.: Sarafannikova, G. A.; Managing Ed. (Ural-Siberian  
Division of Mashgiz): Sustavov, M. I., Engineer.

PURPOSE: The book is intended for engineering and technical personnel.

COVERAGE: The book generalizes and synthesizes experience accumulated by the  
Ural plants and to some extent that of the Siberian plants in improving the  
technical and economic features of manufactured machines and in improving their  
quality. Data are also presented on attempts to lower the cost and to increase  
the quality of machines during the designing and production stages. The author

Card 1/13

PETROV, I.N., inzh.; PAL'MOV, Ye.V., prof., doktor tekhn. nauk

Investigating the impact of a strip being rolled on the working rolls of the roll stand. Izv.vys. ucheb.zav.; chern. met no.9:115-121 S '58. (MIRA 11:11)

1. Ural'skiy politekhnicheskiy institut.  
(Rolling (Metalwork))

BAINOV, N.I., inzh.; PAL'MOV, Ya.Y., prof., doktor tekhn.nauk

Selecting efficient pressure mechanism parameters for blooming mills. Izv.vys.ucheb.zav.; chern.met. no.10:147-158 O '58.  
(MIRA 11:12)

1. Ural'skiy politekhnicheskiy institut.  
(Rolling mills) (Power (Mechanics))

ALEKSANDROV, Aleksandr Ivanovich, kand.tekhn.nauk [deceased]; PAL'MOV, Ye.V., prof., doktor tekhn.nauk, retsenzent; MIKHAYLOV, G.P., prof., doktor tekhn.nauk, retsenzent; SOKOLKOV, Ye.N., kand.tekhn.nauk, retsenzent; DIYEV, N.P., prof., doktor tekhn.nauk, otv.red. [deceased]; DEMIN, I.M., red.; IZMOIDENOVA, L.A., tekhn.red.

[From the history of mechanical drawing in the Ural region and Siberia]  
Iz istorii inzhenernoi grafiki Urala i Sibiri. Sverdlovsk, Akad.nauk SSSR, Ural'skii filial, 1959. 101 p.  
(MIRA 13:4)

1. Kafedra grafiki i nachertatel'noy geometrii Ural'skogo politekhnicheskogo instituta imeni S.M.Kirova (for Aleksandrov).  
(Mechanical drawing)

PAL'MOV, Ye.V., doktor tekhn.nauk, obshchiy red.; VSHIVKOV, P.P., inzh., red.; KUBSHINSKIY, V.V., kand.tekhn.nauk, red.; PORUCHIKOV, Yu.P., kand.tekhn.nauk, red.; STEPANOV, V.V., kand.tekhn.nauk, red.; SOKOLOV, K.N., kand.tekhn.nauk, red.; SOKOLOVSKIY, V.I., kand.tekhn.nauk, red.; SUSTAVOV, M.I., inzh., red.; SHUNAYEV, B.K., kand.tekhn.nauk, red.; CHERNOGOROV, P.V., prof., red.; DUGINA, N.A., tekhn.red.

[Mechanization and automation in the machinery industry] Mekhanizatsiya i avtomatizatsiya mashinostroitel'nogo proizvodstva. Moscow, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 519 p.

(Machinery industry--Technological innovations) (Automation) (MIRA 13:2)

PAL'MOV, Ye.V., prof.doktor tekhn.nauk

Using the optical method in investigating deformations of a  
strip during rolling. Trudy Ural. politekh.inst. no.78:6-23  
'60.

(MIRA 14:5)

(Rolling(Metalwork))  
(Optical measurements)  
(Deformations(Mechanics))

PAL'MOV, Ye.V., prof., doktor tekhn.nauk; FEDOROV, M.I., dotsent, kand.tekhn.nauk;  
SABURCV, A.M., inzh.

Residual stresses in rolled sections. Trudy Ural. politekh.inst.  
no.78:74-88 '60. (MIRA 14:5)  
(Rolling (Metalwork))  
(Strains and stresses)

PAL'MOV, Ye.V., prof., doktor tekhn.nauk; BEREZIN,Ye.N.; aspirant

Intensifying the operation of ingot cars. Study Ural.politekh.  
inst. no.101:6-12 '60. (MIN: 14:3)  
(Rolling (Metalwork)) (Feed mechanisms)

FEDOROV, M.I., dotsent, kand.tekhn.nauk; FEDOROV, Ye.V., prof., doktor  
tekhn.nauk

Cooling rolled sections with a refrigerator. Trudy Ural.politekh.  
inst. no.101:45-53 '60. (MIRA 14:3)  
(Rolling (Metalwork)--Cooling)

L'VOVSKIY, Pavel Grigor'yevich; PAL'MOV, Ye.V., prof., doktor tekhn.  
nauk, retsenzent; SHKLOVSKIY, M.V., inzh., retsenzent;  
GURVITZ, A.I., inzh., retsenzent; NOSENKO, S.K., inzh.,  
retsenzent; SAKHARIN, N.N., inzh., retsenzent; SOSKIN, M.D.,  
inzh., red.; BALAZOVSKIY, M.Ya., inzh., red.; CHAPAYKINA, F.K.  
red. izd-va; KRYZHOOVA, M.L., red.izd-va; MATIYUK, R.M., tekhn.  
red.; TURKINA, Ye.D., tekhn. red.

[Manual for mechanics in metallurgical plants] Spravochnoe ruko-  
vodstvo po mekhanike metallurgicheskogo zavoda. Izd.4., ispr. 1  
dop. Sverdlovsk, Metallurgizdat, 1961. 1105 p. (MIRA 15:3)  
(Mechanical engineering)  
(Metallurgical plants—Equipment and supplies)

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